

Fact Sheet



For Final Minor Modification Permitting Action Under 45CSR30 and Title V of the Clean Air Act

This Fact Sheet serves to address the changes specific to this Minor Modification, and shall be considered a supplement to the Fact Sheet corresponding with the Title V operating permit issued on January 31, 2012.

Permit Number: **R30-02900001-2012 (Part 2 of 3) (MM01)**

Application Received: **June 25, 2014**

Plant Identification Number: **03-54-029-00001**

Permittee: **ArcelorMittal Weirton LLC**

Mailing Address: **100 Pennsylvania Avenue, Weirton, WV 26062**

Permit Action Number: *MM01* Revised: *April 28, 2015*

Physical Location: Weirton, Hancock County, West Virginia
UTM Coordinates: 533.70 km Easting • 4474.50 km Northing • Zone 17
Directions: From US 22 take Exit 2 to WV-2 North to Downtown Weirton. Continue on WV-2 approximately 3 miles. Approaching the 10th traffic light, at Pennsylvania Avenue, turn right into the driveway of the Mill Administration Building.

Facility Description

ArcelorMittal Weirton LLC operates a steel finishing facility that includes a Strip Mill, Tin Mill, Hydrogen Plant, and Boilers. Other operations at the facility include an emergency generator, storage tanks, wastewater treatment plants and support/maintenance shops. The facility also includes the following idled operations: Blast Furnaces, Basic Oxygen Plant, Continuous Caster, Sheet Mill, Hydrochloric Acid Regeneration Plant, and two Foster Wheeler Boilers.

For Title V purposes, the facility operations were divided into three parts: Part 1 includes the Boilers and emergency generator, Part 2 includes the steel finishing processes and hydrogen plant, and Part 3 includes the Hot operations, which have been shut down. This permit covers Part 2 of the facility. This modification incorporates the installation of a new HCl tank authorized by NSR Permit R13-0032B, issued on December 5, 2014.

Emissions Summary

The main pollutant released from the new storage tank (HCL-T) is hydrochloric acid. The applicant proposes to install a packed bed counter-flow scrubber with a minimum expected removal efficiency of 90% for HCl. With this type of control, the maximum potential emissions would be 32.5 pounds of HCl per year.

Title V Program Applicability Basis

With the proposed changes associated with this modification, this facility maintains the potential to emit over 100 tons per year of criteria pollutants, over 10 tons per year of a single HAP, and over 25 tons per year of aggregate HAPs, therefore ArcelorMittal Weirton LLC is required to have an operating permit pursuant to Title V of the Federal Clean Air Act as amended and 45CSR30.

Legal and Factual Basis for Permit Conditions

The State and Federally-enforceable conditions of the Title V Operating Permits are based upon the requirements of the State of West Virginia Operating Permit Rule 45CSR30 for the purposes of Title V of the Federal Clean Air Act and the underlying applicable requirements in other state and federal rules.

The modification to this facility has been found to be subject to the following applicable rules:

Federal and State:	45CSR7	Manufacturing sources PM emission limits
	45CSR13	Construction Permits
	45CSR30	Operating permit requirement

Each State and Federally-enforceable condition of the Title V Operating Permit references the specific relevant requirements of 45CSR30 or the applicable requirement upon which it is based. Any condition of the Title V permit that is enforceable by the State but is not Federally-enforceable is identified in the Title V permit as such.

The Secretary's authority to require standards under 40 C.F.R. Part 60 (NSPS), 40 C.F.R. Part 61 (NESHAPs), and 40 C.F.R. Part 63 (NESHAPs MACT) is provided in West Virginia Code §§ 22-5-1 *et seq.*, 45CSR16, 45CSR34 and 45CSR30.

Active Permits/Consent Orders

Permit or Consent Order Number	Date of Issuance	Permit Determinations or Amendments That Affect the Permit (<i>if any</i>)
R13-0032B	December 5, 2014	

Conditions from this facility's Rule 13 permit(s) governing construction-related specifications and timing requirements will not be included in the Title V Operating Permit but will remain independently enforceable under the applicable Rule 13 permit(s). All other conditions from this facility's Rule 13 permit(s) governing the source's operation and compliance have been incorporated into this Title V permit in accordance with the "General Requirement Comparison Table," which may be downloaded from DAQ's website.

Determinations and Justifications

The facility is an existing major source of HAPs. This proposed modification will not change this status.

45CSR7 - The new HCl tank is subject to 45CSR§7-4.2 and Table 45-7B to 45CSR7. (see Condition 8.1.10.a.)

45CSR13 - R13-0032B authorizes the installation of the HCl tank with control device (fume scrubber 1C) operating requirements to assure compliance. Conditions 8.1.10.b. and c., and 8.1.11. have been added to incorporate these requirements.

Non-Applicability Determinations

The following requirements have been determined not to be applicable to the subject facility due to the following:

None.

Request for Variances or Alternatives

None.

Insignificant Activities

Insignificant emission unit(s) and activities are identified in the Title V application.

Comment Period

Beginning Date: N/A

Ending Date: N/A

Point of Contact

All written comments should be addressed to the following individual and office:

Bobbie Scroggie
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone: 304/926-0499 ext. 1225 • Fax: 304/926-0478
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Procedure for Requesting Public Hearing

During the public comment period, any interested person may submit written comments on the draft permit and may request a public hearing, if no public hearing has already been scheduled. A request for public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing. The Secretary shall grant such a request for a hearing if he/she concludes that a public hearing is appropriate. Any public hearing shall be held in the general area in which the facility is located.

Response to Comments

Not applicable.